

ADT8XXB

Bi-directional Subscriber Amplifier



1.0 Products Description

ADT8XXB bi-directional amplifier is an economy bi-directional amplifier designed for subscribe network application. Forward path model and return path module all adopt imported MOTOROLA or PHILIPS company devices. It has stabilization performance, excellent index. Inside design is modularize plug-in structure easy to modulate and use. It's the ideality products to achieve the construction of bidirectional network.

2.0 Technology Parameter

Item	Unit	Forward Parameter	Reverse Parameter
Frequency Band	MHz	47 ~ 750/860(87 ~ 750/860)	5 ~ 35(5 ~ 65)
Operating Gain	dB	26 ~ 30	15 ~ 21
Gain Adjusting Range	dB	0 ~ 20	0 ~ 20
Band-in Flatness	dB	±	±0.75



Input Level	dB μ V	>72	>75
Output Level	dB μ V	98 102	90 96
Noise Figure	dB	\cong 10	\cong 10
CSO	dB	68 63	
CTB	dB	67 62	
Input/Output Return Loss	dB	\cong 16	
Carrier Hum Ratio	dB	\cong 66	
Shock Resist Voltage	KV	5(10/700 μ S)	
Power Voltage	V	AC60/AC220(50Hz)	

3.0 Functional Block Diagram

